Amendments to the Specification:

Please add the following new paragraph beginning at between the title and first line of text, on page 1:

CROSS REFERENCE TO RELATED APPLICATION

The present application is a divisional application of U.S. Patent Application No. 09/688,891, filed October 16, 2000, now U.S. Patent _____.

Please replace the paragraph beginning at page 13, line 11, with the following rewritten paragraph:

In another embodiment of the present invention, the spectral range of the complexity computations, i.e. entropy computations, is widened to extend into the EMG range. Thus, the spectral range over which the complexity computations are carried out to provide an indicator may extend from some lower frequency of, for example 0.5 to 7 Hz, up to a frequency above 32 Hz. To filter out power line interference, the spectral range may be divided into bands with the elimination of frequencies around 50, 60 Hz and 100, 120 Hz. For example, in an embodiment in which the spectral range extends to approximately 150 Hz, a lower frequency band (0.5 - 47 Hz) will contain mostly EEG signal data while two upper bands (63 - 97 Hz and 123 - 147 Hz) will include primarily EMG activity. The use of a widened frequency range does not require a division of the spectrum into two segments as ~~or~~ does the first embodiment because all components in the widened frequency range are treated in the same manner. And, any boundary within the spectral range would be artificial since the frequency bands for the EEG and EMG signal data are overlapping. The same analytical techniques are thus used for all levels of hypnosis from conscious state down to deep anesthesia, the paradoxical behavior found with indicators employing a plurality of subparameters and rules of combination for various levels of anesthesia is avoided.